



GT-26-112

Glenair Blumark Coax Cable Flammability Test Results



Revision History

Rev	Date	Issued	Approved	Description
1	6/22/2026	L. Blackwell		Initial Release



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1. Introduction

This document contains results from flammability testing that was performed on Glenair 962-032-130 RF cable.

2. Test Information

2.1. Test Samples

The test samples consisted of three, 5' Glenair 962-032-130 BluMark RF coax cable samples. Table 1 describes these samples.

Test Group	Part Number	Description	Quantity
1	962-032-130	5 ft Coax cable, 0.130" OD	3

Table 1. Test Samples

2.2. Test Summary

The Test Parameters on Page 10 of the Vertical Laboratories Test Report (document number 26254R1CLV1) is printed below to summarize the testing:

Testing shall be performed in accordance with NATO STANAG 4671 Appendix F to USAR.1359 and shall proceed as follows:

1. 30-inch samples shall be cut from samples provided.
2. Samples shall be preconditioned at 70 ± 5 °F and $50 \pm 5\%$ relative humidity for 24 hours.
3. The specimen shall be marked at a distance of 8 inches from the lower end indicating the point for flame application.
4. The lower end of specimen shall be clamped while the upper end shall be passed over a pulley with its end attached to a weight to keep the wire taut.
5. Specimen shall be placed in the 60-degree fixture per spec.
6. Burner flame shall be 3 inches with a 1-inch inner cone.
7. Flame temperature shall be at least 954 °C or 1750 °F at its hottest point.
8. Test application period shall be 30 seconds, and flame shall be withdrawn immediately at the end of that period
9. Report the distance of flame travel, time of burning after removal, and presence of any incendiary drips from the wire during testing.

Pass/Fail Criteria:

1. Shall self-extinguish within 30 seconds after removal of flame.
2. Average burn length may not exceed 3 inches
3. Drippings from the test specimen may not continue to flame for more than an average of 3 seconds after falling.

3. Test Result Summary

This section contains a summary of the test data. Complete results can be found in the report from the test lab and are contained in Appendix A. During testing, the distance of flame propagation, after-flame burn time, and the presence of any incendiary drips were observed and documented to assess combustion behavior. **The samples met the passing criteria.** Charring and melting were observed where the flame was applied. Figure 1 shows the cable samples post-test condition.

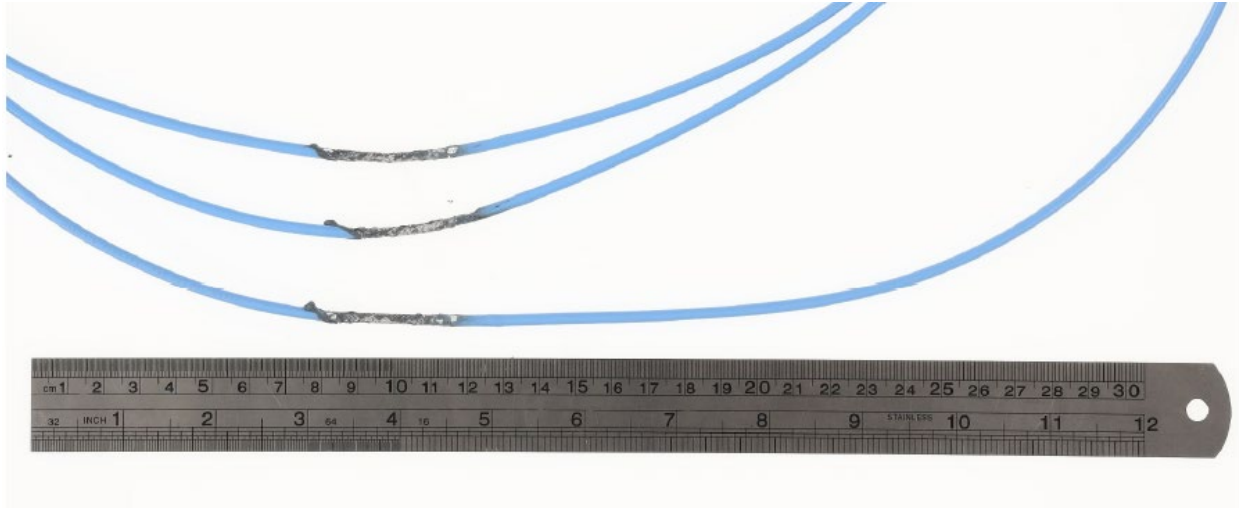


Figure 1. Cable Sample Post-Test Condition



4. Appendix A – Test Lab Report

Test Report

Flammability test, NATO STANAG 4671 USAR
26254R1CLV1
Version 1
6/18/2026

Prepared By: Michael Brewer
Quality Associate

Reviewed By: Christopher Lynn 6/18/2026
Test Technician Date

Approved By: Margarito Quiroz 6/18/2026
Quality Associate Date



Vertical Laboratories LLC
1805 Flower St | Glendale, CA | 91201
700 Allen Ave | Glendale, CA | 91201
818-858-1982



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Version	Date	Comments	Prepared By	Reviewed By	Approved By
1	6/18/2026	Initial release	Michael Brewer	Christopher Lynn	Margarito Quiroz

Deviation No.	Test Name	Description
-	-	-

Job Name	Flammability test, NATO STANAG 4671 USAR
Job No.	26254
Client Job Number	N/A
Client	Glenair
Delivery Address	1100 Air Way, Glendale, CA 91201
Contact Name	Abel Ayele
Telephone No.	(818) 247-6000
Email	aaye@glennair.com
Controlling Document	26254 Scope of Work

Test Name	Serial No.	Start Date	End Date	Pass	Fail	Record
Flammability	SN01, SN02, SN03	6/15/2026	6/15/2026	X	-	-

Summary of Testing
Group 1 samples underwent the above testing sequence in accordance with NATO STANAG 4671 Appendix F to USAR.1359 and 26254 Scope of Work. Group 1 test specimens were prepared from the supplied material and conditioned under controlled temperature and humidity conditions prior to evaluation. Each specimen was mounted in a 60-degree test fixture under tension and exposed to a calibrated flame meeting the specified height and temperature requirements. The flame was applied for a defined duration and then removed to evaluate the material's flammability characteristics. During testing, the distance of flame propagation, after-flame burn time, and the presence of any incendiary drips were observed and documented to assess combustion behavior. The samples met the passing criteria and had a physical alteration where the samples exhibit melting and charring where flame was applied.

#	Test Name	Serial No.	Group 1
1	Flammability	SN01, SN02, SN03	X

Date Received	6/10/2026
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Description of Samples	5 ft Coax cable, .130" OD
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Special Handling Instructions	N/A
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Serial No.	Test Group	Part Name	Part No.	Date Code
SN01	1	Coax Cable	962-032-130	-
SN02	1	Coax Cable	962-032-130	-
SN03	1	Coax Cable	962-032-130	-

ID No.	Equipment Name	Manufacturer	Model No.	Cal. Date	Cal. Due
TC062	FLAMMABILITY CABINET	DEATAK	FAA MP-1.5	8/28/2025	8/31/2026
CE042	TEMPERATURE AND HUMIDITY CHAMBER	TEST EQUITY	101H	8/1/2025	8/31/2026
DM003	ADVANCED ONSITE SENSOR (AOS) DIGIMATIC CALIPER (8)	MITUTOYO	500-197-30	12/31/2025	12/31/2026

Pretest Sample Conditions

Test samples had no visually apparent defects when received.

Posttest Sample Conditions

Flammability

Samples exhibit melting and charring where flame
was applied.

Test Name	Flammability	Test Start Date	6/15/2026
Job Number	26254	Test End Date	6/15/2026
Client Job Number	N/A		
Test Performed by	Christopher Lynn		
Serial Number	SN01, SN02, SN03		
Equipment Used	TC062, CE042, DM003		
Test Specification	NATO STANAG 4671 Appendix F to USAR.1359		

Test Parameters

Testing shall be performed in accordance with NATO STANAG 4671 Appendix F to USAR.1359 and shall proceed as follows:

1. 30 inch samples shall be cut from samples provided.
2. Samples shall be preconditioned at 70 ±5 °F and 50 ±5% relative humidity for 24 hours.
3. The specimen shall be marked at a distance of 8 inches from the lower end indicating the point for flame application.
4. The lower end of specimen shall be clamped while the upper end shall be passed over a pulley with its end attached to a weight to keep the wire taut.
5. Specimen shall be placed in the 60 degree fixture per spec.
6. Burner flame shall be 3 inches with a 1 inch inner cone.
7. Flame temperature shall be at least 954 °C or 1750 °F at its hottest point.
8. Test application period shall be 30 seconds and flame shall be withdrawn immediately at the end of that period.
9. Report the distance of flame travel, time of burning after removal, and presence of any incendiary drips from the wire during testing.

Pass/Fail Criteria:

1. Shall self extinguish within 30 seconds after removal of flame.
2. Average burn length may not exceed 3 inches.
3. Drippings from the test specimen may not continue to flame for more than an average of 3 seconds after falling.

Sample conditions were altered:	Yes	No	Notes:	Samples exhibit melting and charring where flame was applied.	Pass	Fail	Record
	X	-			X	-	-
Test Setup Verified by:	Daniel Wong				Test Data Reviewed by:	Daniel Wong	
Date:	6/15/2026				Date:	6/16/2026	
If applicable, list any Test Deviations:		N/A					
Date:		N/A					

Test	Flammability
Specimens	SN01, SN02, SN03
Test Parameters	60 Degree Burn, total flame height of 3 inches, inner cone height of 1 inch, 30 second burn. Pass/Fail Criteria: Shall self Extinguish within 30 seconds, Burn length shall not exceed 3 inches, Drip shall not continue to flame for more than 3 seconds after falling.
Preconditioning	Start: 6/15/2026 9:00 AM Removal: 6/16/2026, see notes for removal times
Date Performed	6/15/2026

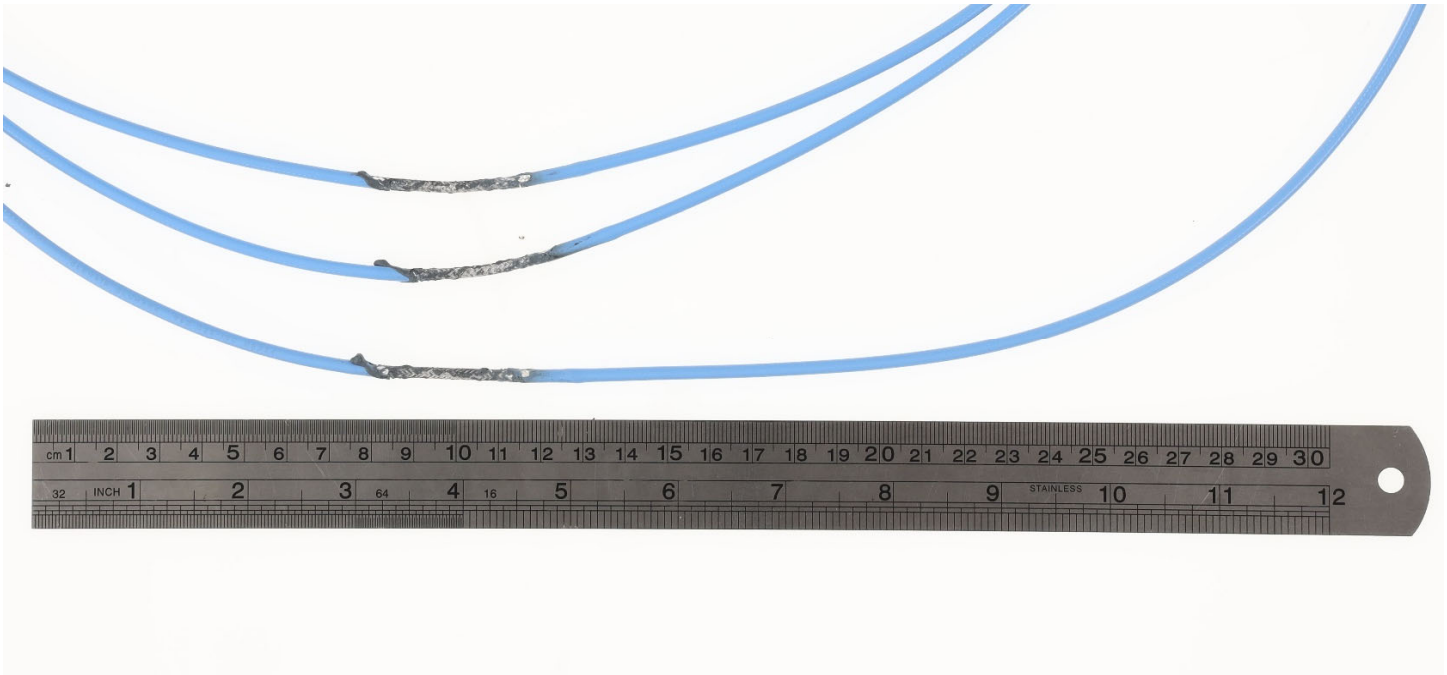
Specimen	Ignition Time (Seconds)	Post-Ignition Flame Time (Seconds)	Drip Burn Time (Seconds)	Burn Length (inch)	Pass/Fail	Notes
SN01	30	< 1	N/A	2.25	Pass	Removed from 21.5° C/50% RH at 1:47 PM
SN02	30	< 1	N/A	2.34	Pass	Removed from 21.5° C/50% RH at 2:10 PM
SN03	30	< 1	N/A	2.14	Pass	Removed from 21.5° C/50% RH at 2:20 PM



Description	Typical 60 Degree Flammability Test Setup (SN01 Depicted)
Test Name	Flammability
Part Name	Coax Cable
Test Group	1
Part No.	962-032-130
Serial No.	SN01, SN02, SN03



Description	Sample Under Test (SN01 Depicted)
Test Name	Flammability
Part Name	Coax Cable
Test Group	1
Part No.	962-032-130
Serial No.	SN01, SN02, SN03



Description	Posttest Conditions (SN01 Top, SN02 Middle, SN03 Bottom)
Test Name	Flammability
Part Name	Coax Cable
Test Group	1
Part No.	962-032-130
Serial No.	SN01, SN02, SN03

End of Report

Appendix

Date	Operator	Notes
6/15/2026	Christopher Lynn	Setup for flammability for SN01
6/15/2026	Christopher Lynn	Flammability test on SN01, SN02, SN03. Post test pictures and measurements
6/15/2026	Daniel Wong	Assisting Christopher with Calibrating Flame for 60 ° burn. Broke Thermal couple. Was not reading properly. Fixed TC and used a calibrated TC to verify. Setup sample and demonstrated on to perform testing. Provided instructions on how to turn off equipment.
6/16/2026	William Corella	Assist job boss in flammability pretest conditioning plot and submit all machine time.
6/16/2026	Christopher Lynn	Working on data sheet for flammability
6/16/2026	Daniel Wong	Reviewing Flammability Data Sheet